

Title (en)

INDACENO DERIVATIVES AS ORGANIC SEMICONDUCTORS

Title (de)

INDACENO-DERIVATE ALS ORGANISCHE HALBLEITER

Title (fr)

DERIVES D'INDACENE EN TANT QUE SEMI-CONDUCTEURS ORGANIQUES

Publication

EP 2726532 B1 20160518 (EN)

Application

EP 12727104 A 20120530

Priority

- EP 11005251 A 20110628
- EP 2012002290 W 20120530
- EP 12727104 A 20120530

Abstract (en)

[origin: WO2013000532A1] The invention relates to novel organic semiconducting compounds containing one or more dialkylidene-s-indacenodiheteroarene groups, methods for their preparation and educts or intermediates used therein, polymers, blends, mixtures and formulations containing them, the use of the compounds, polymers, blends, mixtures and formulations as semiconductor in organic electronic (OE) devices, especially in organic photovoltaic (OPV) devices, and to OE and OPV devices comprising these compounds, polymers, blends, mixtures or formulations.

IPC 8 full level

C08G 61/12 (2006.01); **H10K 99/00** (2023.01); **C07C 13/62** (2006.01); **C07D 513/04** (2006.01); **H01B 1/12** (2006.01)

CPC (source: EP US)

C07D 513/04 (2013.01 - EP US); **H10K 85/113** (2023.02 - US); **H10K 85/6576** (2023.02 - US); **Y02E 10/549** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013000532 A1 20130103; CN 103619903 A 20140305; CN 103619903 B 20161207; EP 2726532 A1 20140507; EP 2726532 B1 20160518; JP 2014527512 A 20141016; JP 6301830 B2 20180328; KR 20140063579 A 20140527; TW 201311696 A 20130316; US 2014131627 A1 20140515; US 9520565 B2 20161213

DOCDB simple family (application)

EP 2012002290 W 20120530; CN 201280031322 A 20120530; EP 12727104 A 20120530; JP 2014517488 A 20120530; KR 20147002266 A 20120530; TW 101123069 A 20120627; US 201214129577 A 20120530